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POPULATION : OCCUPATIONS

COMPARATIVE OCCUPATION STATISTICS FOR THE UNITED STATES

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INTRODUCTION

The occupation statistics in this bulletin are presented in three tables. Table 1 is a summary table showing, by sex, the number and proportion of persons engaged in gainful occupations in the United States at each census from 1880 to 1920. Table 2, also a summary table, shows, for both sexes and for each sex separately, a number and a percentage distribution of the gainful workers in 1920 and in 1910 by general divisions of occupations. Table 3 is a detailed table showing the total persons, the males, and the females engaged in each specified occupation in 1920 and in 1910.

CHANGES SINCE 1910

Since the occupation classification used in the Fourteenth Census differs somewhat from that of the

Thirteenth Census, the figures here presented are here presented under the classification of the Thirteenth Census. March 1, 1910, is taken as the total number of persons in each general division of occupations in 1910. Principally through the increase of electrical and mechanical engineers, agricultural engineering and mechanical industries, agricultural service, the total number in manufacturing and mechanical industries has increased, and the total number in professional service increased. Also, through changes in the number of persons in agriculture, forestry, and allied occupations, the number reduced 121 and that in transportation increased 100. The total number of persons in the service of the Government increased 315 and that in domestic and personal service 385.

TABLE 1. NUMBER AND PROPORTION OF PERSONS ENGAGED IN GAINFUL OCCUPATIONS, 1880-1920

Year	Total		Male		Female	
	Number	Per cent	Number	Per cent	Number	Per cent
1920	10,000,000	100.0	5,000,000	100.0	5,000,000	100.0
1910	9,000,000	90.0	4,500,000	90.0	4,500,000	90.0
1900	8,000,000	80.0	4,000,000	80.0	4,000,000	80.0
1890	7,000,000	70.0	3,500,000	70.0	3,500,000	70.0
1880	6,000,000	60.0	3,000,000	60.0	3,000,000	60.0

Figure for 1890 the exclusive of persons in United States for the first time, and for 1900 the exclusive of persons in United States for the first time.

Figure for 1910 the exclusive of persons in United States for the first time, and for 1920 the exclusive of persons in United States for the first time.

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TABLE 2. TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS, DISTRIBUTED BY SEX AND GENERAL DIVISIONS OF OCCUPATIONS: 1920 AND 1910.

SEX AND GENERAL DIVISION OF OCCUPATIONS.	1920		1910	
	Number	Per cent dis-tribution	Number	Per cent dis-tribution
BOTH SEXES.				
All occupations.	41,614,248	100.0	38,167,336	100.0
Agriculture, forestry, and animal hus- bandry.....	10,973,158	26.3	112,659,982	33.1
Extraction of minerals.....	1,090,223	2.6	1,965,160	5.1
Manufacturing and mechanical industries.....	12,818,524	30.8	110,628,771	27.8
Transportation.....	3,003,782	7.4	12,637,120	33.0
Trade.....	1,212,979	10.2	3,611,670	9.5
Public service (and elsewhere classified).....	770,160	1.9	139,291	1.2
Professional service.....	2,143,889	5.2	11,093,364	3.1
Domestic and personal service.....	3,101,892	8.2	13,772,779	9.9
Clerical occupations.....	1,126,541	7.5	1,737,053	4.6
MALE.				
All occupations.	33,064,737	100.0	30,091,564	100.0
Agriculture, forestry, and animal hus- bandry.....	9,809,030	29.8	110,854,581	36.1
Extraction of minerals.....	1,087,359	3.3	1,964,075	6.4
Manufacturing and mechanical industries.....	10,888,183	32.9	108,808,161	29.3
Transportation.....	2,850,528	8.6	12,530,795	33.1
Trade.....	1,175,187	10.8	3,149,582	10.5
Public service (and elsewhere classified).....	718,666	2.3	145,773	1.1
Professional service.....	1,127,791	3.4	1,059,170	3.2
Domestic and personal service.....	1,217,968	3.7	11,211,538	3.1
Clerical occupations.....	1,700,125	5.1	1,111,829	3.8
FEMALE.				
All occupations.	8,549,511	100.0	8,075,772	100.0
Agriculture, forestry, and animal hus- bandry.....	1,084,128	12.7	1,897,591	22.4
Extraction of minerals.....	2,864	.03	1,994	.02
Manufacturing and mechanical industries.....	1,930,341	22.6	1,829,570	22.5
Transportation.....	214,054	2.5	106,625	1.3
Trade.....	667,792	7.8	168,088	2.1
Public service (and elsewhere classified).....	21,791	.3	13,558	.2
Professional service.....	1,016,198	11.9	1,733,891	9.1
Domestic and personal service.....	2,186,924	25.6	12,531,221	31.3
Clerical occupations.....	1,129,116	16.7	993,221	12.3

¹ Corrected figures, see text, p. 4.² Less than one-tenth of 1 per cent.

The detailed statistics presented in Table 3 show that in many occupations there were marked increases or decreases from 1910 to 1920 in the number of workers. Most prominent of the causes which contributed to these increases and decreases were the change in census date, the World War, and the changes made in the occupation classification.

The change in the census date from April 15 in 1910 to January 1 in 1920 doubtless had a pronounced effect on the number of workers returned as pursuing those occupations which are seasonal or largely seasonal. In most sections of the United States agricultural work, especially the work of field laborers, is at or near its lowest ebb in January. Because of this fact, taking the census in January undoubtedly resulted in a smaller number of agricultural workers being returned by the census enumerators than would have been returned had the census been taken as of April 15, as it was in 1910. A comparison with the 1910 statistics for the respective agricultural pursuits indicates strongly that, especially in the case of farm laborers, the marked decrease from 1910 to 1920 probably was due in large part to an under-enumeration in 1920.¹ On the other hand, the large increase from 1910 to 1920 in the number of laborers, and in the number of semiskilled operatives in fruit and vegetable canning, etc., probably resulted to a considerable extent from changing the census date to

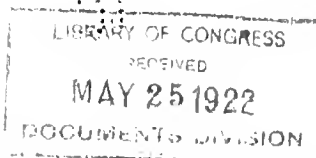
¹ For further discussion, see "Farm laborers," p. 3.

a time nearer the latest harvest season for fruits and vegetables.

The World War brought about drastic and rapid changes in many of our industries. To meet war needs new industries sprang into existence and some existing industries, because not needed to further the war efforts of the Nation, rapidly declined in importance. Along with these industrial changes went corresponding changes in the occupational activities of the people. Of the 4,000,000 or more persons who entered military pursuits during the war the great majority were drawn from civil pursuits. While to a large extent persons not gainfully occupied at the beginning of the war took up gainful pursuits to replace the large number of gainful workers drawn from civil to military pursuits, these new entrants into civil pursuits did not simply fill up the ranks in the occupations from which those entering the military service had been drawn, but went where their immediate services were most needed for war work. Also, to meet the demands, many persons gainfully occupied prior to the war changed from their usual occupations to new ones. As results of these occupational changes the number of workers declined rapidly in some occupations and increased rapidly in others. Large numbers of workers were drawn from the fields to the factories, and from factories producing luxuries or nonessentials to those producing munitions or essentials. The readjustment to a peace-time basis was only partially completed at the date of the census. Hence, it is believed that many of the changes from 1910 to 1920 in the number of workers in the respective occupations may properly be ascribed in large part to the changes brought about by the World War. The marked increases in the number of laborers and semiskilled operatives in ship and boat building and in powder, cartridge, dynamite, etc., factories are striking examples of the occupational effects of the war. And to the war should also be ascribed in part, it is believed, the great decrease in the number of farm laborers.²

The occupation classification used at the Fourteenth Census is the result of a careful revision of the one used at the Thirteenth Census. In making this revision it has been necessary, occasionally, to transfer an occupational designation to a different occupation group from that under which it was classified at the Thirteenth Census. While such transfers have improved the accuracy of the Fourteenth Census occupation classification and statistics, they have made comparison with the Thirteenth Census occupation statistics more difficult. Because of these changes a moderate increase or decrease from 1910 to 1920 in the number of workers in an occupation may be apparent only and due to a difference in classification. The occupations appreciably affected by transfers of designations are confined mainly to manufacturing and transportation pursuits.

A few of the principal occupations affected by these three causes are noted in the following paragraphs.



CHANGES IN SPECIFIED OCCUPATIONS.

Deliverymen. The marked decrease from 1910 to 1920 in the number of deliverymen, especially in the number of deliverymen for stores, is believed to have resulted largely from the substitution of motor for horse-drawn delivery wagons, since this substitution increased greatly the mileage covered by a deliveryman in a day. In part the decrease probably resulted from the classification of operators of motor delivery wagons, in 1920, as chauffeurs.

Ditchers farm. Since ditching on farms usually is not carried on extensively during the winter months, the great decrease from 1910 to 1920 in the number of ditchers (farm) probably resulted largely from the change of the census date from April 15 in 1910 to January 1 in 1920.¹ In part, no doubt, the decrease was due to other causes.

Electricians and electrical engineers. Since in most of the industries the electricians and the electrical engineers were classified together in 1910, there are no statistics showing the number of persons in each of these occupations at that date. Therefore the probable number in each occupation in 1910 was estimated. In this estimate it was assumed that the number of male electricians and electrical engineers, respectively, constituted the same proportion of the total number of male electricians and electrical engineers in 1910 as in 1920, and that in 1910 there were 86 female electricians and 6 female electrical engineers.

Farm laborers. The great decrease from 1910 to 1920 in the number of farm laborers, and especially in the number of farm laborers on the home farm, is believed to have been due in large measure to the change of the census date from a very busy farming season in 1910 (April 15) to a comparatively dull

farming season in 1920 (January 1). It is believed that when the enumeration was made in 1920, as of January 1, many persons usually employed as farm laborers were not then at work and were not returned by the census enumerators as gainfully occupied. This appears to have been true especially in the case of children living on the home farm. The enumerators' schedules show that a considerable proportion of such children were returned as neither attending school nor being gainfully occupied. Also, the decrease of farm laborers doubtless was partly due to the fact that during the war large numbers of them left the farms for the factories or the military service and had not returned to the farms or been replaced there by others at the date of the census.

Foremen and overseers "Other transportation." The very marked increase between 1910 and 1920 in the number of foremen and overseers in "other transportation" doubtless was due in large measure to the great increase in the number of garage foremen, here classified, but in part, probably, to a large increase in the number of pipe-line foremen, also classified in this group.

Locomotive engineers and firemen. In 1920, as in 1910, the enumerators did not always distinguish carefully between locomotive engineers and the stationary engineers employed by steam railroads, or between locomotive firemen and other firemen employed by steam railroads. It is probable, therefore, that at each census some stationary engineers are included with the locomotive engineers and that some other firemen are included with the locomotive firemen. Also, at each census, the excess in the number of locomotive engineers over the number of locomotive firemen, and over the number of conductors (steam railroads), indicates that the number of locomotive engineers reported is excessive.

¹ See, below, the discussion of "Farm laborers."

POPULATION.

TABLE 3.—TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY SEX, FOR THE UNITED STATES, 1920 AND 1910

(The figures for 1910 for certain of the division totals and, also, for certain individual occupations, have been corrected to conform to the classification for 1920; see text and footnotes to table.)

	OCCUPATION	1920			1910		
		Total	Male	Female	Total	Male	Female
1	POPULATION 10 YEARS OF AGE AND OVER	82,779,315	42,289,969	40,449,346	71,580,270	37,027,558	34,552,712
2	All occupations	41,614,248	33,664,737	8,549,511	38,167,336	30,091,564	8,075,772
3	Agriculture, forestry, and animal husbandry	10,953,158	9,869,030	1,084,128	12,659,082	10,851,581	1,807,501
4	Dairy farmers, farmer, and stock raisers	6,241,291	5,947,125	293,836	5,979,340	5,717,384	261,956
5	Dairy farmers	118,813	111,867	3,946	64,816	59,240	5,576
6	Farmers, general farms	6,001,780	5,757,327	244,453	5,864,192	5,606,789	257,403
7	Farmers, turpentine farms	309	309	0	511	508	3
8	Stock raisers	77,559	74,922	2,637	52,521	50,845	1,676
9	Dairy farm, farm, and stock farm laborer	1,011,627	9,218,712	792,915	6,069,321	4,551,245	1,518,076
10	Dairy farm laborers	63,497	60,770	2,727	35,014	32,237	2,777
11	Farm laborers (home farm)	1,550,119	1,273,477	276,642	3,310,531	2,133,949	1,176,585
12	Farm laborers (working out)	2,055,276	1,843,307	211,969	2,636,066	2,294,144	337,922
13	Farm laborers (turpentine farm)	16,099	15,790	309	27,557	27,241	316
14	Stock herders, drovers, and feeders	56,766	55,368	1,398	59,250	58,376	874
15	Dairy farm, farm, garden, orchard, etc., foremen	93,018	78,708	14,310	51,195	43,119	7,776
16	Dairy farm foremen	2,479	2,439	40	1,086	1,001	85
17	Farm foremen, general farms	79,018	65,271	13,747	41,521	34,017	7,504
18	Farm foremen, turpentine farms	724	724	0	899	898	1
19	Farm foremen, stock farms	4,804	4,800	4	3,604	3,593	11
20	Garden and greenhouse foremen	1,574	1,698	176	1,311	1,223	88
21	Orchard, nursery, etc., foremen	4,659	3,896	763	2,771	2,687	84
22	Fishermen and oystermen	52,836	52,457	379	68,275	67,799	476
23	Foresters, forest rangers, and timber cruisers	3,653	3,651	2	4,332	4,332	0
24	Gardeners, florist, fruit growers, and nurserymen	169,399	160,116	9,283	139,255	131,421	7,834
25	Florists	8,345	7,407	938	9,028	7,971	1,057
26	Fruit growers	55,102	52,208	2,894	44,531	41,255	3,276
27	Gardeners	98,391	90,501	7,890	79,894	75,181	4,713
28	Landscape gardeners	4,402	4,377	25	5,792	5,777	15
29	Nurserymen	2,659	2,601	58	3,010	2,933	77
30	Garden, greenhouse, orchard, and nursery laborers	137,010	127,589	9,421	133,927	126,453	7,474
31	Chamberlain laborers	241	236	5	1,384	1,316	68
32	Garden laborers	81,532	75,231	6,301	81,311	76,372	4,939
33	Greenhouse laborers	16,239	15,075	1,164	17,757	16,796	961
34	Orchard and nursery laborers	38,008	37,044	964	33,472	31,969	1,503
35	Lumbermen, raftsmen, and woodchoppers	205,315	205,036	279	161,268	161,191	77
36	Foremen and overseers	6,000	6,000	0	4,798	4,798	0
37	Inspectors, scaler, and surveyors	2,544	2,544	0	2,110	2,110	0
38	Teamsters and haulers	17,106	17,106	0	15,038	15,038	0
39	Other lumbermen, raftsmen, and woodchoppers	179,775	179,496	279	139,422	139,246	176
40	Owners and managers of log and timber camps	8,410	8,397	13	7,931	7,927	4
41	Managers and officials	2,095	2,090	5	1,725	1,725	0
42	Owners and proprietors	9,515	9,307	208	6,206	6,202	4
43	Other agricultural and animal husbandry, put into	40,509	36,939	3,570	41,238	40,408	830
44	Apprentices	2,893	2,759	134	2,145	2,020	125
45	Corn shellers, hay balers, grain threshers, etc.	9,646	9,642	4	5,647	5,647	0
46	Ditchers, dammers, and watermen	5,379	5,379	0	15,198	15,198	0
47	Irrigators and ditch tenders	2,000	2,000	0	2,883	2,871	12
48	Poultry raisers	14,116	11,792	2,324	12,151	8,921	3,230
49	Poultry yard laborers	1,599	1,587	12	3,233	2,856	377
50	Other and not specified poultry	1,966	1,183	783	3,011	2,922	89
51	Extraction of minerals	1,090,223	1,087,359	2,864	965,169	964,075	1,094
52	Foremen, overseers, and inspectors	36,941	36,927	14	24,338	24,328	10
53	Foremen and overseers	27,945	27,939	6	22,142	22,133	9
54	Inspectors	8,986	8,981	5	1,196	1,195	1
55	Operators, officials, and managers	31,325	31,143	182	25,234	25,127	107
56	Managers	14,469	14,446	23	9,798	9,786	12
57	Officials	2,522	2,481	41	1,419	1,410	9
58	Operators	17,334	17,216	118	14,017	14,201	116
59	Coal mine operatives	733,936	732,141	1,795	643,924	643,519	405
60	Copper mine operatives	36,054	35,948	106	39,270	39,251	19
61	Gold and silver mine operatives	32,700	32,666	34	55,136	55,097	39
62	Iron mine operatives	38,704	38,605	99	49,948	49,909	39
63	Operatives in other and not specified mines	41,389	41,282	107	47,252	47,169	83
64	Lead and zinc mine operatives	20,798	20,749	49	19,186	19,171	15
65	Other specified mine operatives	11,320	11,271	49	7,945	7,894	51
66	Not specified mine operatives	9,271	9,262	9	19,821	19,807	14
67	Quarry operatives	15,162	15,081	81	80,840	80,795	45
68	Oil, gas, and salt well operatives	91,022	90,297	725	29,927	29,580	347
69	Oil and gas well operatives	85,550	85,303	247	25,762	25,548	214
70	Salt well and works operative	5,472	4,994	478	4,365	4,032	333
71	Manufacturing and mechanical industries	12,818,524	10,888,183	1,930,341	10,628,731	8,808,161	1,820,570
72	Apprentices to building and hand trade	73,953	73,897	56	0	0	0
73	Blacksmiths' apprentices	2,661	2,659	2	2,816	2,811	5
74	Boiler makers' apprentices	2,005	2,005	0	0	0	0
75	Cabinetmakers' apprentices	1,020	1,020	0	0	0	0
76	Carpenters' apprentices	4,805	4,797	8	6,060	6,060	0
77	Coppers' apprentices	365	365	0	0	0	0
78	Electricians' apprentices	9,562	9,557	5	3,264	3,260	4
79	Mechanics' apprentices	39,463	39,448	15	0	0	0
80	Masons' apprentices	1,434	1,434	0	3,256	3,250	6
81	Painters, glaziers, and varnishers' apprentices	1,646	1,368	278	3,662	3,653	9
82	Paper hangers' apprentices	172	163	9	444	440	4
83	Plasterers' apprentices	398	398	0	669	669	0
84	Plumbers' apprentices	7,386	7,386	0	9,963	9,899	64
85	Roofers and slaters' apprentices	270	270	0	301	302	1
86	Tinsmiths and copper smiths' apprentices	2,810	2,810	0	0	0	0

1 For a discussion of the figure for this occupation, see p. 4.

2 Totals include home for occupation: total, 91,339; male, 88,770; female, 2,569 omitted in detail because not comparable with 1920 figures.

3 Comparable figures for 1910 not available.

4 Figure for 1910 approximate only.

5 Many of the "Mechanics' apprentices" probably are machine tenders.

TABLE 3. TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION CLASSIFIED BY SEX, FOR THE UNITED STATES, 1920 AND 1910. (Continued.)

Figures for 1920 for certain of the various totals and, also, for certain individual occupations have been corrected from errors in the original figures for 1920, (see explanation of footnotes to Table 1.)

OCCUPATION.	1920			1910		
	Total.	Male.	Female.	Total.	Male.	Female.
Manufacturing and mechanical industries. (Continued.)						
87. Machine tool-makers and mill men.	1,526	57	1,469	12,000	7	11,993
88. Die-maker, tappers, etc.	2,715	4	2,711	9,966	7	9,959
89. Mill-wright, tappers, etc.	1,941	15	1,926	9,000	13	8,987
90. Apprentice, cutter.	66,898	60,052	6,846	100,000	90,000	10,000
91. Architects, draftsmen, and draftsmen's apprentices.	7,777	459	7,318	10,000	1,000	9,000
92. Jeweler, watchmaker, goldsmith, and silver-smith's apprentice.	2,600	2,297	303	1,800	1,700	100
93. Printer and bookbinder's apprentices.	11,605	10,266	1,339	22,296	20,141	2,155
94. Other apprentices.	47,885	41,440	6,445	100,000	90,000	10,000
95. Blacksmith, forgeron, and hammerman.	97,910	95,047	2,863	100,000	98,000	2,000
96. Blacksmith, forgeron, and hammerman.	221,410	221,410	0	200,173	200,173	0
97. Blacksmith.	195,255	195,255	0	182,958	182,958	0
98. Forgeron, ironmaster, and solder.	26,155	26,155	0	17,136	17,136	0
99. Blacksmith.	71,088	71,088	0	41,761	41,761	0
100. Blacksmith's apprentices.	161,254	161,254	0	100,000	100,000	0
101. Binder and binding contractor.	76,130	60,100	16,030	174,422	150,000	24,422
102. Bookbinder.	15,511	15,511	0	41,892	41,892	0
103. Compositor.	887,379	887,379	0	875,126	875,126	0
104. Compositor, typesetter, and pressman.	710,163	710,163	0	700,000	700,000	0
105. Compositor.	14,000	14,000	0	25,292	25,292	0
106. Printer and compositor in printing factory.	215,885	215,885	0	449,342	449,342	0
107. Printer.	15,100	15,100	0	14,000	14,000	0
108. Lithographer.	212,964	212,964	0	120,241	120,241	0
109. Photo-typesetter, compositing, and lithographers.	11,719	11,719	0	12,506	12,506	0
110. Photo-typesetter and photo-typesetter.	7,104	7,104	0	4,308	4,308	0
111. Lithographer.	8,222	8,222	0	8,138	8,138	0
112. Engraver, stationary, ceramic, and metal.	279,984	279,984	0	0	0	0
113. Engraver, stationary.	242,096	242,096	0	241,441	241,441	0
114. Engraver, ceramic, and metal.	37,888	37,888	0	0	0	0
115. Engraver.	1,000	1,000	0	13,429	13,429	0
116. Engraver, engraver, and engraver's apprentice.	29,788	29,788	0	44,025	44,025	0
117. Engraver and engraver's apprentice.	10,000	10,000	0	28,191	28,191	0
118. Engraver.	19,788	19,788	0	16,000	16,000	0
119. Engraver.	18,000	18,000	0	8,790	8,790	0
120. Engraver, engraver, and engraver's apprentice.	113,870	113,870	0	141,248	141,248	0
121. Engraver and engraver's apprentice.	97,444	97,444	0	175,098	175,098	0
122. Engraver, engraver, and engraver's apprentice.	16,426	16,426	0	6,250	6,250	0
123. Engraver, engraver, and engraver's apprentice.	18,261	18,261	0	19,715	19,715	0
124. Engraver.	16,170	16,170	0	10,120	10,120	0
125. Engraver.	1,020	1,020	0	679	679	0
126. Engraver.	1,000	1,000	0	717	717	0
127. Engraver.	1,144	1,144	0	15,000	15,000	0
128. Engraver, engraver, and engraver's apprentice.	20,000	20,000	0	12,574	12,574	0
129. Engraver, engraver, and engraver's apprentice.	1,828	1,828	0	1,757	1,757	0
130. Engraver, engraver, and engraver's apprentice.	8,707	8,707	0	10,631	10,631	0
131. Engraver, engraver, and engraver's apprentice.	20,000	20,000	0	15,701	15,701	0
132. Engraver, engraver, and engraver's apprentice.	0	0	0	0	0	0
133. Engraver, engraver, and engraver's apprentice.	62,000	62,000	0	80,478	80,478	0
134. Engraver, engraver, and engraver's apprentice.	0	0	0	0	0	0
135. Engraver, engraver, and engraver's apprentice.	11,200	11,200	0	11,136	11,136	0
136. Engraver, engraver, and engraver's apprentice.	12,500	12,500	0	12,500	12,500	0
137. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
138. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
139. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
140. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
141. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
142. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
143. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
144. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
145. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
146. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
147. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
148. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
149. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
150. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
151. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
152. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
153. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
154. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
155. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
156. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
157. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
158. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
159. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
160. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
161. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
162. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
163. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
164. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
165. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
166. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
167. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
168. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
169. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
170. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
171. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
172. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0
173. Engraver, engraver, and engraver's apprentice.	18,000	18,000	0	18,000	18,000	0

1. Comparable figures for 1910 not available.

2. Figures for 1910 approximate only.

3. In 1910 most of the "Engraver, engraver, and engraver's apprentice" were classified with the "unskilled operatives of the respective industry."

4. Not otherwise specified.

5. The 1910 figures include cement finishers.

6. Figure for 1910 estimated; see discussion, p. 3.

7. Includes triplicate mill.

8. Includes triplicate mill.

TABLE 3. - TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY SEX, FOR THE UNITED STATES: 1920 AND 1910—Continued.

[The figures for 1910 for certain of the division totals and, also, for certain individual occupations have been corrected to conform to the classification for 1920; see text and footnotes to table.]

OCCUPATION.		1920			1910		
		Total.	Male.	Female.	Total.	Male.	Female.
Manufacturing and mechanical industries—Continued.							
Laborers (n. o. s.)—Continued.							
174	Other metal industries.....	67,887	62,771	5,116	44,773	42,134	2,639
175	Brass mills.....	18,485	17,614	871	10,885	10,606	279
176	Clock and watch factories.....	3,108	1,929	1,179	1,879	1,262	617
177	Copper factories.....	10,963	10,908	55	11,586	11,532	54
178	Gold and silver factories.....	2,272	2,061	211	1,277	1,101	176
179	Jewelry factories.....	1,421	1,255	166	668	528	140
180	Lead and zinc factories.....	8,927	8,889	68	7,945	7,871	74
181	Tinware, enamelware, etc., factories.....	17,605	15,436	2,169	7,587	6,709	878
182	Other metal factories.....	5,106	4,709	397	2,946	2,525	421
183	Lumber and furniture industries.....	320,613	309,874	10,739	317,244	313,228	4,016
184	Furniture factories.....	35,272	32,600	2,672	28,618	28,089	529
185	Piano and organ factories.....	5,321	4,596	725	4,459	4,009	360
186	Saw and planing mills.....	245,683	241,334	4,349	290,142	288,361	1,781
187	Other woodworking factories.....	34,337	31,344	2,993	29,025	27,679	1,346
188	Paper and pulp mills.....	52,263	49,786	2,477	31,388	29,959	1,429
189	Printing and publishing.....	11,446	8,886	2,560	7,011	5,217	1,824
190	Blank book, envelope, bag, paper bag, etc., factories.....	3,455	2,646	809	1,557	1,096	461
191	Printing, publishing, and engraving.....	7,981	6,240	1,741	5,484	4,121	1,363
192	Shoe factories.....	19,210	14,194	5,016	10,277	7,952	2,325
193	Tanneries.....	27,480	26,703	777	20,798	20,491	307
Textile industries—							
194	Carpet mills.....	3,953	3,378	575	3,769	3,437	332
195	Cotton mills.....	76,315	59,646	16,669	37,804	32,037	5,767
196	Knitting mills.....	11,947	6,603	5,344	7,804	4,204	3,540
197	Lace and embroidery mills.....	944	677	267	705	468	237
198	Silk mills.....	10,080	7,350	2,730	3,798	2,686	1,112
199	Textile dyeing, finishing, and printing mills.....	10,665	9,885	720	9,958	9,362	596
200	Woolen and worsted mills.....	22,227	18,248	3,979	12,290	10,245	2,045
201	Other textile mills.....	17,244	14,564	2,679	11,018	8,608	2,410
202	Hemp and jute mills.....	1,254	1,110	144	1,462	1,295	167
203	Linen mills.....	458	364	94	738	479	259
204	Rope and cordage factories.....	4,268	3,805	463	3,797	3,131	666
205	Sail, awning, and tent factories.....	281	237	46	264	234	30
206	Not specified textile mills.....	10,980	9,048	1,932	1,767	3,409	1,288
207	Other industries.....	463,891	426,398	37,493	246,677	229,517	17,160
208	Broom and brush factories.....	2,800	2,407	393	1,565	1,340	225
209	Button factories.....	1,407	1,003	404	1,105	790	315
210	Charcoal and coke works.....	9,384	9,352	32	11,446	11,431	15
211	Electric light and power plants.....	15,417	15,255	162	8,176	8,011	165
212	Electrical supply factories.....	26,789	24,562	3,227	11,434	10,053	1,381
213	Gas works.....	18,845	18,787	58	16,449	16,534	15
214	Leather belt, leather case, etc., factories.....	3,578	3,274	304	1,908	1,757	151
215	Liquor and beverage industries.....	10,530	10,265	265	18,857	18,294	563
216	Paper box factories.....	3,384	2,401	983	1,403	791	612
217	Petroleum refineries.....	31,796	31,596	200	11,215	11,151	64
218	Rubber factories.....	51,467	47,515	3,952	13,546	12,224	1,322
219	Straw factories.....	577	513	64	413	349	64
220	Trunk factories.....	2,486	2,269	217	985	900	85
221	Turpentine distilleries.....	9,731	9,605	126	6,465	6,354	111
222	Other miscellaneous industries.....	84,347	77,582	6,765	32,237	29,836	2,401
223	Other not specified industries.....	191,364	170,921	20,443	109,133	99,723	9,710
224	Loom fixers.....	15,961	15,978	3	13,251	13,251	.....
225	Machinists, millwrights, and toolmakers.....	891,662	891,654	8	488,049	487,956	93
226	Machinists.....	801,001	801,896	895	461,344	461,271	73
227	Millwrights.....	37,669	37,669	.....	17,442	17,442	.....
228	Toolmakers and die-setters and sinkers.....	55,992	55,089	903	9,263	9,243	20
229	Managers and superintendents (manufacturing).....	201,721	196,771	4,950	104,210	102,748	1,462
230	Manufacturers and officials.....	231,615	223,289	8,326	256,591	251,892	4,699
231	Manufacturers.....	183,386	178,441	4,945	235,107	230,889	4,218
232	Officials.....	48,229	44,848	3,381	21,484	21,003	481
233	Mechanics (n. o. s.).....	281,711	281,690	21	(3)	(3)	(3)
234	Gunsmiths, locksmiths, and bellhangers.....	1,645	1,638	7	3,251	3,218	33
235	Wheelwrights.....	3,727	3,727	.....	3,732	3,732	.....
236	Other mechanics.....	273,369	273,325	44	(3)	(3)	(3)
237	Millers (grain, flour, feed, etc.).....	23,272	23,265	7	23,452	23,093	359
238	Milliners and millinery dealers.....	73,255	3,657	69,598	127,906	5,459	122,447
239	Molders, founders, and casters (metal).....	123,681	123,668	13	120,900	120,783	117
240	Brass molders, founders, and casters.....	7,238	7,238	.....	6,512	6,509	3
241	Iron molders, founders, and casters.....	114,031	114,022	9	112,122	112,070	52
242	Other molders, founders, and casters.....	2,412	2,408	4	2,246	2,204	42
243	Oilers of machinery.....	24,612	24,568	44	14,013	13,990	23
244	Painters, glaziers, varnishers, enamelers, etc.....	323,032	319,697	3,335	337,355	334,814	2,541
245	Enamelers, lacquerers, and japanners.....	4,137	3,168	969	2,999	1,968	1,031
246	Painters, glaziers, and varnishers (building).....	248,497	248,394	103	273,441	273,060	381
247	Painters, glaziers, and varnishers (factory).....	70,398	68,135	2,263	60,915	59,786	1,129
248	Paper hangers.....	18,746	18,338	408	25,577	24,780	797
249	Pattern and model makers.....	27,720	27,663	57	23,359	23,006	353
250	Plasterers and cement finishers.....	45,876	45,870	6	47,682	47,676	6
251	Cement finishers.....	7,621	7,621	.....	(4)	(4)	(4)
252	Plasterers.....	38,255	38,249	6	47,682	47,676	6
253	Plumbers and gas and steam fitters.....	206,718	206,715	3	148,304	148,304	.....
254	Pressmen and plate printers (printing).....	18,683	18,683	.....	20,084	19,892	192
255	Rollers and roll hands (metal).....	25,061	25,061	.....	18,407	18,384	23
256	Roofers and slaters.....	11,378	11,378	.....	14,078	14,078	.....
257	Sawyers.....	33,809	33,800	9	43,276	43,257	19

(1) Not otherwise specified.

(2) Includes box factories (wood).

(3) Comparable figures for 1910 not available.

(4) Cement finishers were included with "Brick and stone masons" in 1910.

TABLE 3. TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION CATEGORY BY SEX FOR THE UNITED STATES, 1920 AND 1910 (Continued)

Figures for 1920 for males of the handicapped and also for certain population and occupational groups have been corrected to conform with the figures for 1910 in the footnotes to table 1.

OCCUPATION	1920			1910		
	Total	Male	Female	Total	Male	Female
Manufacturing and mechanical industries (continued)						
Chemical and allied industries						
268 Chemical and allied industries	7,147	4,174	2,973	7,147	4,174	2,973
269 Fertilizer factories	1,477	1,477	0	1,477	1,477	0
270 Paint and varnish factories	1,427	1,427	0	1,427	1,427	0
271 Powder, nitrocellulose, and related factories	1,427	1,427	0	1,427	1,427	0
272 Soap factories	1,427	1,427	0	1,427	1,427	0
273 Other chemical factories	1,427	1,427	0	1,427	1,427	0
274 Glass and pottery factories	1,427	1,427	0	1,427	1,427	0
275 Glass, pottery, and other factories	1,427	1,427	0	1,427	1,427	0
276 Brick, tile, and terra-cotta factories	1,427	1,427	0	1,427	1,427	0
277 Clay, pottery, and other factories	1,427	1,427	0	1,427	1,427	0
278 Lime, cement, and other factories	1,427	1,427	0	1,427	1,427	0
279 Marble and stone yards	1,427	1,427	0	1,427	1,427	0
280 Pottery factories	1,427	1,427	0	1,427	1,427	0
281 Clothing and textile industries	1,427	1,427	0	1,427	1,427	0
282 Corset factories	1,427	1,427	0	1,427	1,427	0
283 Glove factories	1,427	1,427	0	1,427	1,427	0
284 Hat factories	1,427	1,427	0	1,427	1,427	0
285 Shirt, coat, and outfit factories	1,427	1,427	0	1,427	1,427	0
286 Suit, coat, cloak, and overalls factories	1,427	1,427	0	1,427	1,427	0
287 Other clothing factories	1,427	1,427	0	1,427	1,427	0
288 Food industries	1,427	1,427	0	1,427	1,427	0
289 Bakeries	1,427	1,427	0	1,427	1,427	0
290 Butter, cheese, and other food factories	1,427	1,427	0	1,427	1,427	0
291 Candy factories	1,427	1,427	0	1,427	1,427	0
292 Ice cream and packing	1,427	1,427	0	1,427	1,427	0
293 Flour and grain mills	1,427	1,427	0	1,427	1,427	0
294 Fruit and vegetable canning	1,427	1,427	0	1,427	1,427	0
295 Slaughter and packing houses	1,427	1,427	0	1,427	1,427	0
296 Sugar factories and refineries	1,427	1,427	0	1,427	1,427	0
297 Other food factories	1,427	1,427	0	1,427	1,427	0
298 Harness and saddle factories	1,427	1,427	0	1,427	1,427	0
299 Iron and steel industries	1,427	1,427	0	1,427	1,427	0
300 Agricultural machinery factories	1,427	1,427	0	1,427	1,427	0
301 Automobile factories	1,427	1,427	0	1,427	1,427	0
302 Blast furnaces and rolling mills	1,427	1,427	0	1,427	1,427	0
303 Car and railroad shops	1,427	1,427	0	1,427	1,427	0
304 Ship and boat building	1,427	1,427	0	1,427	1,427	0
305 Warehouse and storage	1,427	1,427	0	1,427	1,427	0
306 Other non-metallic industries	1,427	1,427	0	1,427	1,427	0
307 Not specified metal industries	1,427	1,427	0	1,427	1,427	0
308 Other metal industries	1,427	1,427	0	1,427	1,427	0
309 Brass mills	1,427	1,427	0	1,427	1,427	0
310 Clock and watch factories	1,427	1,427	0	1,427	1,427	0
311 Copper factories	1,427	1,427	0	1,427	1,427	0
312 Gold and silver factories	1,427	1,427	0	1,427	1,427	0
313 Jewelry factories	1,427	1,427	0	1,427	1,427	0
314 Lead and zinc factories	1,427	1,427	0	1,427	1,427	0
315 Pewee and metal factories	1,427	1,427	0	1,427	1,427	0
316 Other metal factories	1,427	1,427	0	1,427	1,427	0
317 Lumber and furniture industries	1,427	1,427	0	1,427	1,427	0
318 Furniture factories	1,427	1,427	0	1,427	1,427	0
319 Piano and organ factories	1,427	1,427	0	1,427	1,427	0
320 Saw and planing mills	1,427	1,427	0	1,427	1,427	0
321 Other wood-working factories	1,427	1,427	0	1,427	1,427	0
322 Paper and pulp mills	1,427	1,427	0	1,427	1,427	0
323 Printing and publishing	1,427	1,427	0	1,427	1,427	0
324 Blank book, map, and other printing factories	1,427	1,427	0	1,427	1,427	0
325 Print and publish and other printing	1,427	1,427	0	1,427	1,427	0
326 Shoe factories	1,427	1,427	0	1,427	1,427	0
327 Tanneries	1,427	1,427	0	1,427	1,427	0
328 Textile industries	1,427	1,427	0	1,427	1,427	0
329 Carpet mills	1,427	1,427	0	1,427	1,427	0
330 Cotton mills	1,427	1,427	0	1,427	1,427	0
331 Knitting mills	1,427	1,427	0	1,427	1,427	0
332 Lace and embroidery mills	1,427	1,427	0	1,427	1,427	0
333 Silk mills	1,427	1,427	0	1,427	1,427	0
334 Textile dyeing, finishing, and printing mills	1,427	1,427	0	1,427	1,427	0
335 Woollen and worsted mill	1,427	1,427	0	1,427	1,427	0
336 Other textile mills	1,427	1,427	0	1,427	1,427	0
337 Hemp and jute mills	1,427	1,427	0	1,427	1,427	0
338 Linen mills	1,427	1,427	0	1,427	1,427	0
339 Rope and cordage factories	1,427	1,427	0	1,427	1,427	0
340 Sail, awning, and tent factories	1,427	1,427	0	1,427	1,427	0
341 Not specified textile mills	1,427	1,427	0	1,427	1,427	0
342 Other industries	1,427	1,427	0	1,427	1,427	0
343 Broom and brush factories	1,427	1,427	0	1,427	1,427	0
344 Building and hand trades	1,427	1,427	0	1,427	1,427	0
345 Button factories	1,427	1,427	0	1,427	1,427	0
346 Charcoal and coke works	1,427	1,427	0	1,427	1,427	0
347 Electric light and power plant	1,427	1,427	0	1,427	1,427	0
348 Electrical supply factories	1,427	1,427	0	1,427	1,427	0
349 Gas works	1,427	1,427	0	1,427	1,427	0
350 Leather, belt, leather case, etc., factories	1,427	1,427	0	1,427	1,427	0
351 Lignin and beryllium and others	1,427	1,427	0	1,427	1,427	0
352 Paper box factories	1,427	1,427	0	1,427	1,427	0
353 Petroleum refineries	1,427	1,427	0	1,427	1,427	0
354 Rubber factories	1,427	1,427	0	1,427	1,427	0
355 Straw factories	1,427	1,427	0	1,427	1,427	0
356 Tanneries	1,427	1,427	0	1,427	1,427	0
357 Turpentine distilleries	1,427	1,427	0	1,427	1,427	0
358 Other miscellaneous industries	1,427	1,427	0	1,427	1,427	0
359 Other not specified industries	1,427	1,427	0	1,427	1,427	0

1 Not otherwise specified.

2 Include 1,427,000.

3 Include 1,427,000.

4 Include 1,427,000.

TABLE 3.- TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY SEX, FOR THE UNITED STATES: 1920 AND 1910—(Continued.)

[The figures for 1910 for certain of the division totals and, also, for certain individual occupations have been corrected to conform to the classification for 1920; see text and footnotes to table.]

OCCUPATION.	1920			1910		
	Total.	Male.	Female.	Total.	Male.	Female.
Manufacturing and mechanical industries—Continued						
349 Shoemakers and cobblers (not in factory).....	78,859	78,599	260	69,570	68,788	782
350 Skilled occupations (n. o. s.).....	19,395	19,326	69	16,808	16,560	248
351 Annelaters and temperers (metal).....	2,913	2,910	3	1,901	1,894	7
352 Piano and organ tuners.....	7,047	7,007	40	6,633	6,528	105
353 Woodcarvers.....	3,025	3,008	17	5,308	5,308	0
354 Other skilled occupations.....	6,410	6,401	9	2,906	2,830	76
355 Stonecutters.....	22,099	22,096	3	35,731	35,726	5
356 Structural non workers (building).....	18,836	18,836	0	11,427	11,427	0
357 Tailors and tailoresses.....	192,232	169,104	23,128	201,608	163,795	37,813
358 Tinsmiths and coppersmiths.....	74,968	74,957	11	59,833	59,809	24
359 Coppersmiths.....	5,233	5,232	1	3,410	3,410	0
360 Tinsmiths and sheet metal workers.....	69,735	69,725	10	56,423	56,399	24
361 Upholsterers.....	29,605	27,338	2,267	29,221	18,928	1,293
362 Transportation.....	3,063,582	2,850,528	213,054	2,637,420	2,530,795	106,625
Water transportation (selected occupations)						
363 Boatmen, canal men, and lock keepers.....	6,319	6,286	33	5,304	5,280	24
364 Captains, masters, mates, and pilots.....	26,320	26,318	2	24,242	24,242	0
365 Longshoremen and stevedores.....	85,928	85,095	833	62,857	62,813	44
366 Sailors and deck hands.....	54,832	54,800	32	16,510	16,498	12
Road and street transportation (selected occupations)						
367 Carriage and hack drivers.....	9,057	8,966	91	35,376	35,379	37
368 Chauffeurs.....	285,045	281,096	3,949	15,785	15,752	33
369 Draymen, teamsters, and expressmen.....	111,132	110,481	651	108,469	108,396	73
370 Foremen of heavy and transfer companies.....	3,868	3,866	2	6,006	6,006	0
371 Garage keepers and managers.....	12,151	11,911	240	5,279	5,276	3
372 Hostlers and stable hands.....	18,976	18,973	3	63,388	63,382	6
373 Laborers (garage, road, and street).....	158,482	158,204	278	194,882	194,876	6
374 Garage.....	31,450	31,339	111	4,468	4,462	6
375 Road and street banking and repaving.....	115,836	115,673	163	180,468	180,468	0
376 Street cleaning.....	11,196	11,192	4	9,916	9,916	0
377 Livery stable keepers and managers.....	11,240	11,168	72	34,795	34,612	183
378 Proprietors and managers of transfer companies.....	23,467	23,421	46	15,599	15,368	230
Railroad transportation (selected occupations)						
379 Baggage men and freight agents.....	16,819	16,780	39	17,033	17,028	5
380 Baggage men.....	11,878	11,875	3	12,473	12,473	0
381 Freight agents.....	4,941	4,911	30	4,560	4,555	5
382 Boiler washers and engine hostlers.....	25,305	25,271	34	10,499	10,499	0
383 Brakemen.....	114,107	114,107	0	92,572	92,572	0
384 Conductors (steam railroad).....	74,539	74,539	0	65,091	65,091	0
385 Conductors (street railroad).....	63,700	63,597	103	56,932	56,932	0
386 Foremen and overseers.....	79,294	79,216	78	69,934	69,692	242
387 Steam railroad.....	74,016	72,980	1,036	65,269	65,038	231
388 Street railroad.....	6,278	6,236	42	4,665	4,655	10
389 Laborer.....	195,713	188,679	7,034	539,955	507,522	32,433
390 Steam railroad.....	159,199	161,613	2,414	513,168	539,920	26,752
391 Street railroad.....	25,514	25,066	448	27,807	27,602	205
392 Locomotive engineers.....	109,809	109,809	0	96,229	96,229	0
393 Locomotive firemen.....	91,345	91,345	0	76,581	76,581	0
394 Motormen.....	66,519	66,499	20	58,795	58,795	0
395 Steam railroad.....	3,599	3,599	0	2,487	2,487	0
396 Street railroad.....	62,920	62,900	20	56,308	56,308	0
397 Officials and superintendents.....	35,881	35,889	51	22,298	22,296	2
398 Steam railroad.....	32,126	32,125	1	19,805	19,803	2
399 Street railroad.....	3,455	3,445	10	2,493	2,493	0
400 Switchmen, flamen, and yardmen.....	111,565	111,090	475	85,147	85,095	52
401 Switchmen and flamen (steam railroad).....	101,917	101,379	538	73,419	73,397	22
402 Switchmen and flamen (street railroad).....	2,590	2,496	94	2,453	2,453	0
403 Yardmen (steam railroad).....	7,448	7,415	33	9,575	9,575	0
404 Ticket and station agents.....	26,585	24,321	2,264	21,438	22,930	1,498
Express, post, telegraph, and telephone (selected occupations)						
405 Agents (express companies).....	5,293	5,193	100	5,875	5,801	74
406 Express messengers and railway mail clerk.....	25,005	24,996	9	22,021	22,018	3
407 Express messengers.....	9,438	9,429	9	6,781	6,778	3
408 Railway mail clerks.....	15,867	15,867	0	15,240	15,240	0
409 Mail carriers.....	91,451	90,134	1,317	89,678	79,667	1,011
410 Telegraph and telephone linemen.....	37,917	37,905	12	28,350	28,347	3
411 Telegraph messengers.....	9,403	8,969	434	9,152	9,074	78
412 Telegraph operators.....	79,131	62,371	16,760	69,953	61,731	8,222
413 Telephone operators.....	190,460	11,781	178,679	97,893	9,633	88,260
Other transportation pursuits						
414 Foremen and overseers (n. o. s.).....	25,995	25,958	37	14,738	14,333	405
415 Road and street building and repairing.....	9,558	9,557	1	7,064	7,064	0
416 Telegraph and telephone.....	6,822	6,797	25	3,843	3,439	404
417 Water transportation.....	3,488	3,488	0	3,016	3,016	0
418 Other transportation.....	6,127	6,116	11	815	814	1
419 Inspectors.....	50,233	49,818	415	33,237	32,962	275
420 Steam railroad.....	12,721	12,675	46	27,661	27,525	136
421 Street railroad.....	3,451	3,445	6	2,268	2,265	3
422 Telegraph and telephone.....	2,821	2,491	330	2,619	2,485	134
423 Other transportation.....	1,240	1,237	3	689	687	2

1 Not otherwise specified.

2 Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in the industries, respectively, and drivers for bakeries and household use are classified with deliverymen in trade.

3 For a discussion of the figures for this occupation, see p. 3.

TABLE 3. TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY SEX FOR THE UNITED STATES: 1920 AND 1910. (Continued)

The figures for 1910 for certain of the division totals, and also for certain individual occupations have been corrected to conform to the classification for 1920, (see text and footnotes to table.)

OCCUPATION	1920			1910		
	Total	Male	Female	Total	Male	Female
Transportation (Continued)						
Other transportation (Continued)						
424 Laborers, non-union	33,432	31,229	2,203	29,755	29,300	455
425 Express companies	3,989	3,967	22	3,010	2,979	31
426 Time-lines	7,369	7,362	7	2,905	2,605	300
427 Telegraph and telephone	5,088	5,011	77	5,312	5,251	61
428 Water transportation	5,966	5,963	3	13,267	13,177	90
429 Other transportation	8,920	8,895	25	1,391	1,288	103
430 Engineer, boiler, and machinery men	18,957	18,884	73	14,839	13,411	1,428
431 Telegraph and telephone	11,003	11,059	544	10,089	8,680	1,409
432 Other transportation	7,354	7,325	29	4,750	4,751	19
433 Other occupations, unskilled	48,124	46,654	1,469	38,742	37,749	993
434 Road and street building and repairing	4,415	4,331	84	5,076	4,729	350
435 Street railroad	28,621	27,916	705	24,424	21,125	3,299
436 Street railroad	9,259	9,088	171	5,187	5,147	40
437 Telegraph and telephone	1,891	1,410	481	1,213	992	221
438 Water transportation	1,774	1,753	21	1,915	1,905	10
439 Other transportation	2,204	2,136	68	897	864	33
440 Trade	4,242,979	3,575,187	667,792	3,614,670	3,146,582	468,088
441 Banker, broker, and money lender	161,613	156,399	5,204	105,804	103,170	2,634
442 Bankers and loan officers	82,375	78,149	4,226	56,059	54,387	1,672
443 Commercial broker, and commission men	27,552	27,378	174	24,009	23,690	319
444 Loan brokers, and loan company officials	4,355	4,255	100	2,411	1,989	422
445 Pawnbrokers	1,088	1,066	22	1,242	1,191	51
446 Stockbrokers	29,669	29,233	436	13,729	13,522	207
447 Brokers not specified and promoters	16,604	16,248	356	8,664	8,391	273
448 Clerk, store	413,918	241,521	170,397	387,183	275,589	111,594
449 Commercial travelers	179,320	176,514	2,806	163,620	161,027	2,593
450 Decorators, draperies, and window dresser	8,833	7,698	1,135	5,341	4,902	439
451 Delivery men	170,235	170,039	196	229,619	229,169	450
452 Bakers and bakers' helpers	20,888	20,838	50	21,059	21,012	47
453 Stokers	149,337	149,181	156	205,589	205,457	132
454 Footwalkers, foremen, and overmen	26,437	26,367	70	20,724	17,649	3,075
455 Floorwalkers and foremen in stores	20,604	16,565	4,039	17,946	14,900	3,046
456 Foremen, warehouse, stockyard, etc.	5,833	5,802	31	2,778	2,719	59
457 Inspectors, gauges, and samples	13,714	12,683	1,031	13,436	11,685	1,751
458 Insurance agent, and others	144,978	129,589	15,389	97,964	95,302	2,662
459 Insurance agent	119,918	111,835	8,083	88,463	85,926	2,537
460 Officials of insurance companies	15,060	14,754	306	9,501	9,376	125
461 Employees in coal and lumber yards, warehouses, etc.	125,609	124,713	896	81,123	80,130	993
462 Coal yards	25,192	25,157	35	16,663	16,665	8
463 Elevators	11,312	11,244	68	6,346	6,335	11
464 Lumber yards	43,351	43,267	84	43,398	43,389	9
465 Stockyard	22,888	22,859	29	5,998	5,991	7
466 Warehouse	22,866	22,136	730	8,718	8,080	638
467 Laborer, porter, and helpers in stores, etc.	125,007	116,602	8,405	102,333	98,169	4,164
468 New delivery men	27,061	27,635	576	29,708	29,455	253
469 Proprietors, officials, and managers in retail stores	4,776	3,715	1,061	22,962	21,452	1,510
470 Employment office keeper	1,026	2,157	669	2,260	1,540	720
471 Proprietors, etc., elevator	8,858	8,836	22	5,118	5,105	13
472 Proprietors, etc., warehouse	6,753	6,410	343	4,393	4,368	25
473 Other proprietor, officials, and managers	16,559	16,212	347	10,591	10,339	252
474 Retail merchants and officials	149,135	149,927	9,208	125,862	124,935	927
475 Retail dealers	1,428,275	1,219,295	208,980	1,195,029	1,127,926	67,103
476 Agricultural implements and wagon	7,759	7,760	29	8,518	8,410	108
477 Art stores and artists' material	2,646	1,989	657	2,370	1,955	415
478 Automobiles and accessories	28,768	28,626	142	4,597	4,535	62
479 Bicycles and accessories	2,221	2,200	21	1,552	1,486	66
480 Book stores	5,055	2,600	2,455	3,418	2,796	622
481 Boots and shoes	22,541	21,781	760	19,346	18,470	876
482 Butchery and meat stores	122,105	120,910	1,195	124,048	122,557	1,491
483 Buyers and shippers of grain	7,305	7,288	17	11,535	11,454	81
484 Buyers and shippers of live stock	10,464	10,133	331	32,516	32,316	200
485 Buyers and shippers of other farm produce	10,590	10,507	83	6,864	6,806	58
486 Candy and confectionery	10,091	9,507	584	29,538	21,601	7,937
487 Cigar and tobacco stores	19,141	18,031	1,110	17,728	16,375	1,353
488 Carpets and rugs	1,112	1,116	16	1,248	1,152	96
489 Clothing and men's furnishing	46,656	43,410	3,243	35,273	34,229	1,044
490 Coal and wood	26,556	26,057	499	24,466	23,912	554
491 Coffee and tea	5,014	4,766	248	5,351	5,112	239
492 Crockery, glassware, and queen ware	1,618	1,501	117	2,508	2,298	210
493 Cuffs, antiques, and novelties	3,553	2,593	960	2,735	2,477	258
494 Dressmaker stores	4,333	3,565	768	3,031	2,413	718
495 Dry goods stores	11,752	10,800	952	8,970	8,561	409
496 Drugs and medicines, including druggists and pharmacists	89,157	76,295	12,862	67,575	65,414	2,161
497 Dry goods, fancy goods, and notions	63,999	56,158	7,841	65,283	57,321	7,962
498 Five and ten cent and variety stores	5,968	4,899	1,069	4,331	3,291	1,040
499 Florists, dealers	5,746	4,784	962	2,954	2,527	427
500 Flour and feed	9,509	9,212	297	9,460	9,363	96
501 Furniture	23,385	22,185	1,200	19,000	18,228	772
502 Furriers	26,013	25,337	676	22,209	21,759	450
503 Furs	4,789	4,434	355	2,280	2,013	267
504 Gas fixtures and electrical supplies	4,420	4,335	85	1,526	1,497	29
505 General stores	80,026	76,317	3,709	88,059	84,744	3,315
506 Groceries	230,236	216,059	14,177	195,412	176,993	18,419
507 Hardware, shoes, and cutlery	41,144	40,473	671	39,661	38,980	681
508 Harness and saddlery	2,706	2,685	21	7,511	7,484	27
509 Hatters and peddlers	30,402	48,291	1,909	80,415	76,630	3,785
510 Ice	8,201	8,166	35	7,361	7,220	141
511 Jewelry	21,433	20,652	781	29,962	29,403	559
512 Junk	22,749	22,596	153	15,219	15,079	140
513 Leather and hides	4,350	4,307	43	2,475	2,436	39
514 Lumber	27,687	27,589	98	27,260	26,997	263
515 Milk	13,101	12,509	592	14,691	14,481	210
516 Music and musical instruments	7,909	7,360	549	5,222	4,963	259
517 Newsdealers	8,471	7,808	663	7,075	6,531	544

1 Not otherwise specified.

2 Many of the "Clerks in stores" probably are "Salesmen and saleswomen."

3 For a discussion of the figures for this occupation, see p. 3.

* Includes, also, managers and superintendents of retail stores.

5 Growers of flowers are shown under "Agriculture," p. 4.

POPULATION.

TABLE 3. TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CLASSIFIED BY SEX, FOR THE UNITED STATES: 1920 AND 1910 (Continued)

Footnote: For 1910, certain of the division totals, and, also, for certain individual occupations have been corrected to conform to the classification for 1920, see text and footnotes to table.]

OCCUPATION	1920			1910		
	Total	Male	Female	Total	Male	Female
Trade (Continued)						
Retail dealer (Continued)						
518 Oil, paint, and wall paper	6,557	6,298	259	6,818	6,506	222
519 Opticians	15,652	11,713	3,889	6,284	5,954	330
520 Fresh and provisions	31,455	32,873	1,600	29,629	28,358	1,281
521 Bakers	2,924	1,985	39	1,975	1,805	170
522 Stationers	5,951	5,260	691	5,823	5,136	687
523 Other specific retail dealers	32,081	49,955	2,726	38,612	36,816	1,716
524 Not specified retail dealers	65,728	59,483	6,245	45,621	41,493	4,128
525 Salesmen and saleswomen	1,177,494	816,352	361,142	924,139	663,410	260,729
526 Auctioneers	5,018	5,015	3	3,390	3,985	5
527 Demonstrators	1,823	1,639	3,184	1,350	1,250	3,130
528 Sales agents	11,841	10,207	1,634	35,522	31,124	4,098
529 Salesmen and saleswomen (total)	1,125,782	799,361	326,321	877,238	626,751	250,487
530 Undertakers	21,469	35,712	1,127	20,734	19,921	813
531 Wholesale dealers, importers, and exporters	73,574	72,780	794	51,008	50,423	925
532 Other purveyors, soap, tilled, etc.	67,641	52,406	15,505	41,640	31,008	7,572
533 Fruit graders and packers	8,074	1,988	1,715	2,677	2,668	7
534 Meat cutters	22,884	27,804	15,405	17,378	17,378	0
535 Process, wholesale and retail trade	19,701	13,603	6,698	13,491	10,392	3,000
536 Other occupations	16,952	10,711	6,241	8,119	5,621	2,498
Public service, not elsewhere classified	770,469	748,666	21,794	459,231	445,733	13,558
537 Firemen (fire department)	50,771	50,771	0	35,606	35,606	0
538 Guards, watchmen, and doorkopers	115,553	115,151	399	78,271	78,168	103
539 Laborers (public service)	106,915	105,985	1,540	67,244	66,595	749
540 Garbage men and scavengers	5,481	5,475	6	1,227	1,227	0
541 Other laborers	104,434	99,910	1,524	64,007	62,278	729
542 Mails, clerks, detectives, etc.	32,254	30,298	1,216	23,799	23,219	580
543 Detectives	11,955	11,562	393	6,349	6,162	187
544 Marshals and constables	6,897	8,296	17	9,073	9,051	2
545 Probation and prison officers	2,679	1,899	780	1,043	855	188
546 Sheriffs	10,683	10,627	56	7,134	7,131	3
547 Officials and inspectors city and county	55,597	50,718	4,879	52,254	49,668	2,586
548 Officials and inspectors city	33,505	31,918	1,587	33,210	32,190	1,011
549 Officials and inspectors county	22,092	18,800	3,292	19,044	17,469	1,575
550 Officials and inspectors State and United States	80,434	67,944	12,490	52,926	44,389	9,537
551 Officials and inspectors State	9,126	8,296	830	7,202	6,662	540
552 Postmasters	31,935	20,727	11,208	27,819	19,127	8,722
553 Other United States officials	39,273	18,621	652	17,875	17,000	875
554 Police men	82,120	81,884	236	61,980	61,980	0
555 Soldiers, sailors, and marines	225,503	225,503	0	77,453	77,453	0
556 Other purveyors	21,453	20,769	1,141	10,268	10,015	223
557 Prisoners	2,287	2,285	2	2,158	2,158	0
558 Lighthouse keeper	1,463	1,412	51	1,553	1,552	1
559 Other occupations	17,763	16,782	1,121	6,517	6,335	182
Professional service	2,143,889	1,127,391	1,016,498	1,693,361	959,470	733,891
560 Actors and showmen	48,472	31,818	14,374	38,494	35,294	43,100
561 Actors	28,364	15,424	12,947	28,297	16,365	11,932
562 Showmen	19,814	15,694	1,117	20,096	18,988	11,108
563 Architects	18,185	18,048	137	16,613	16,311	302
564 Artists, sculptors, and teachers of art	35,402	20,785	14,617	31,104	18,675	15,429
565 Authors, editors, and reporters	49,865	32,129	8,736	38,750	32,511	6,239
566 Authors	6,668	3,662	1,006	4,368	2,340	2,058
567 Editors and reporters	34,197	28,467	5,730	34,382	30,201	4,181
568 Chemists, assayers, and metallurgists	32,941	31,227	1,714	16,273	15,694	579
569 Clergymen	127,270	125,483	1,787	118,018	117,333	685
570 College presidents and professors	33,407	35,432	16,675	15,668	12,710	2,958
571 Dentists	56,452	4,323	1,829	39,997	38,743	1,254
572 Designers, draftsmen, and inventors	70,651	62,987	7,664	47,449	44,447	3,012
573 Draftsmen	15,410	9,758	5,652	11,788	9,244	2,577
574 Inventors	52,865	56,889	1,985	35,661	35,203	391
575 Lawyers, judges, and justices	2,576	2,449	27	2,347	2,303	44
576 Musicians and teachers of music	122,549	120,781	1,768	114,704	114,116	588
577 Osteopaths	130,265	57,587	72,678	139,310	54,832	84,478
578 Photographers	5,639	5,397	1,663	0	0	0
579 Physicians and surgeons	34,249	27,149	7,119	31,775	26,811	4,964
580 Physicians and surgeons (total)	144,977	137,738	7,240	151,142	142,117	9,025
581 Teachers	764,766	422,425	639,241	599,237	421,210	478,027
582 Teachers (athletics, dancing, etc.)	9,711	5,677	1,034	3,964	2,768	1,193
583 Technical engineers	752,655	116,848	635,267	595,396	118,442	476,864
584 Civil engineers and surveyors	136,424	136,080	41	88,744	88,744	0
585 Electrical engineers	64,660	64,432	18	52,033	52,033	0
586 Mechanical engineers	27,677	27,065	12	24,278	24,278	0
587 Mining engineers	37,689	37,678	11	11,514	11,514	0
588 Trained nurses	6,695	6,695	0	6,939	6,939	0
589 Veterinary surgeon	149,128	5,464	143,664	82,327	5,819	76,508
590 Other professional persons	13,494	13,493	1	11,652	11,652	0
591 Aeronautes	35,018	15,745	19,273	15,677	7,585	8,092
592 Laborers	1,312	1,304	8	0	0	0
593 Laborers	15,267	1,795	13,562	7,423	1,594	5,829
594 Other occupation	18,409	12,646	5,763	8,254	5,941	2,293

¹ Includes, also, mail, express, and independent retail shops.

² Includes only those present in continental United States at the date of the enumeration.

³ Aeronauts were included with "laborers" in 1910.

⁴ Probably includes some teachers in schools below collegiate rank.

⁵ Osteopaths were included with "Physicians and surgeons" in 1910.

⁶ Figures for 1910 estimated, see discussion, p. 3.

⁷ Includes, also, all technical engineers not elsewhere classified.

TABLE 3. 1920. MALE U.S. 20 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION, CIVIL, FIELD, BY SEX FOR THE UNITED STATES, 1920 AND 1930. (Continued)

Each figure in this table represents the civil population total, and, also, for certain polytypical occupations, have been corrected to conform with the 1930 census and to make the table comparable.

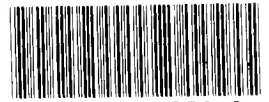
OCCUPATION	1920			1930		
	Total	Male	Female	Total	Male	Female
Professional service (Continued)						
635 Scribes, stenographers, and typists	156,755	138,936	17,819	169,917	151,911	18,006
636 Copywriters, editors, proofreaders, and pressmen	6,023	5,455	568	7,455	6,796	659
637 Proofreaders, correctors, and revisers	1,028	929	99	1,416	1,296	120
638 Letterpress and linotype compositors and setters	21,773	18,877	2,896	23,962	20,764	3,198
639 Key-punch operators and tabulating-machine operators	2,685	2,563	122	3,719	3,597	122
640 Key-punch operators and tabulating-machine operators	2,685	2,563	122	3,719	3,597	122
641 Other office helpers and clerks	22,726	20,271	2,455	25,712	23,257	2,455
642 Religious, moral, and literary workers	1,375	1,217	158	26,927	25,477	1,450
643 Writers, law, literary, and scientific	25,965	23,138	2,827	31,537	29,088	2,449
644 Translators, interpreters, and other	1,266	1,182	84	1,711	1,637	74
645 Other occupations	1,604	1,432	172	2,000	1,828	172
646 Attendants and helpers in professional service	51,777	41,694	10,083	61,917	51,741	10,176
647 Dentists, dentists' assistants, and apprentices	6,408	4,768	1,640	7,910	6,260	1,650
648 Librarians, librarians' assistants, and attendants	2,579	1,996	583	3,214	2,590	624
649 Physicians and surgeons, attendants, and assistants	7,034	6,111	923	8,599	7,559	1,040
650 Stenographers and other helpers	2,896	2,563	333	3,719	3,597	122
651 Theater actors	5,271	2,868	2,403	7,353	4,031	3,322
652 Other attendants and helpers	1,650	1,367	283	1,678	1,385	293
Domestic and personal service						
653 Barbers, hairdressers, and beauticians	216,211	177,966	38,245	267,227	217,966	49,261
654 Beauty room attendants, manicurists, and nail polishers	1,375	1,217	158	1,711	1,637	74
655 Bellhops and porters in hotels	2,685	2,563	122	3,719	3,597	122
656 Dance hall attendants and entertainers	1,266	1,182	84	1,711	1,637	74
657 Boys, boys and boys, and housekeepers	11,712	10,667	1,045	13,712	12,667	1,045
658 Bookbinders	1,375	1,217	158	1,711	1,637	74
659 Cleaners and dressmakers	11,712	10,667	1,045	13,712	12,667	1,045
660 Play storekeepers	1,375	1,217	158	1,711	1,637	74
661 Hotel keepers and managers	11,712	10,667	1,045	13,712	12,667	1,045
662 Housekeepers, except family	22,726	20,271	2,455	25,712	23,257	2,455
663 Landladies and others	1,375	1,217	158	1,711	1,637	74
664 Landladies, domestic, and professional service	22,726	20,271	2,455	25,712	23,257	2,455
665 Landladies and domestic service	22,726	20,271	2,455	25,712	23,257	2,455
666 Laundry operatives	190,712	169,968	20,744	217,712	196,968	20,744
667 Tailors and over-seers	1,375	1,217	158	1,711	1,637	74
668 Tailors	1,375	1,217	158	1,711	1,637	74
669 Other operatives	190,712	169,968	20,744	217,712	196,968	20,744
670 Laundry owners, officials, and family	1,375	1,217	158	1,711	1,637	74
671 Managers and others	1,375	1,217	158	1,711	1,637	74
672 Owners and proprietors	1,375	1,217	158	1,711	1,637	74
673 Males, and males, not trained	166,709	166,709	0	166,709	166,709	0
674 Males	166,709	166,709	0	166,709	166,709	0
675 Nurses (not trained)	166,709	166,709	0	166,709	166,709	0
676 Porters (except in stores)	88,168	88,168	0	88,168	88,168	0
677 Porters, domestic and professional service	12,929	12,929	0	12,929	12,929	0
678 Porters, steam railroad	22,436	22,436	0	22,436	22,436	0
679 Other porters, except in stores	22,436	22,436	0	22,436	22,436	0
680 Restaurant, cafe, and lunch room keeper	7,343	7,343	0	7,343	7,343	0
681 Waiters	1,090,966	1,090,966	0	1,090,966	1,090,966	0
682 Bell boys, chore boys, etc.	17,111	17,111	0	17,111	17,111	0
683 Barbers, hairdressers, and beauticians	10,000	10,000	0	10,000	10,000	0
684 Chambermaids, etc.	22,436	22,436	0	22,436	22,436	0
685 Cooks, bakers, and bakers	12,929	12,929	0	12,929	12,929	0
686 Cooks, bakers, and bakers	12,929	12,929	0	12,929	12,929	0
687 Landladies, etc.	1,375	1,375	0	1,375	1,375	0
688 Nannies, etc.	1,375	1,375	0	1,375	1,375	0
689 Other servants	767,196	767,196	0	767,196	767,196	0
690 Waiters	228,988	228,988	0	228,988	228,988	0
691 Other occupations	81,967	81,967	0	81,967	81,967	0
692 Butchers	26,985	26,985	0	26,985	26,985	0
693 Butchery keepers and attendants	4,528	4,528	0	4,528	4,528	0
694 Cemetery keepers	7,540	7,540	0	7,540	7,540	0
695 Cemetery and renovators, clothing, etc.	21,667	21,667	0	21,667	21,667	0
696 Hunters, trappers, and guides	7,343	7,343	0	7,343	7,343	0
697 Saloon keepers	17,343	17,343	0	17,343	17,343	0
698 Umbrella menders and screen menders	911	911	0	911	911	0
699 Other occupations	2,733	2,733	0	2,733	2,733	0
Clerical occupations						
700 Agents, canvassers, and collectors	17,343	17,343	0	17,343	17,343	0
701 Agents, canvassers, and collectors	17,343	17,343	0	17,343	17,343	0
702 Canvassers, etc.	17,343	17,343	0	17,343	17,343	0
703 Collectors	17,343	17,343	0	17,343	17,343	0
704 Bookkeepers, etc.	741,688	741,688	0	741,688	741,688	0
705 Accountants and auditors	118,151	118,151	0	118,151	118,151	0
706 Bookkeepers and cashiers	949,247	949,247	0	949,247	949,247	0
707 Clerks (except clerks in stores)	1,187,905	1,187,905	0	1,187,905	1,187,905	0
708 Shipping, clerks, etc.	123,681	123,681	0	123,681	123,681	0
709 Weavers	16,229	16,229	0	16,229	16,229	0
710 Other clerks	1,137,902	1,137,902	0	1,137,902	1,137,902	0
711 Messenger, bundle, and office boy, and girl	113,022	113,022	0	113,022	113,022	0
712 Bundle and cash boy, and girl	6,976	6,976	0	6,976	6,976	0
713 Messenger, errand, and office boy, and girl	106,046	106,046	0	106,046	106,046	0
714 Stenographers and typists	615,154	615,154	0	615,154	615,154	0

¹ Comparable figures for 1930 not available.

² Some of the owners of hand laundry, probably are included with laundry operative.

³ Except telegraph messenger.

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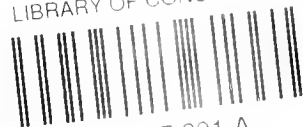
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